
Equipment Catalog

University Microfilms International

300 N. Zeeb Rd. Ann Arbor, Michigan 48106



University Microfilms International

How to Order

Founded in 1938 to provide American scholars with access via microfilm to materials not available in the United States, University Microfilms International has become one of the leading suppliers of information materials to libraries all over the world.

In the vaults at Ann Arbor, UMI preserves and makes available nearly 13,000 serials, over 700,000 dissertations, 100,000 selected books ranging from the Gutenberg Bible to present day titles, and many of the world's outstanding collections of books and manuscripts.

The services UMI now offers to libraries include providing on-demand copies of publications in microform or on paper. UMI provides a means by which the books of any publisher need never be declared out-of-print.

A new product line from UMI includes indexes to criminal justice, insurance & regulatory information.

We want the equipment we sell to make the use of microform as satisfying and as easy as possible. We believe the products in this catalog are the best equipment and the best selection we have ever offered.

This catalog contains a wide range of microform equipment, including readers, reader-printers, and storage cabinets sold by University Microfilms International. Each piece of equipment was specifically selected because of its particular application for library or individual use and its quality construction.

For your ordering convenience, an easy to use order form/price list has been enclosed with this catalog. Please be sure that all details relating to your order are identified—size, lens selection, color and quantity.

If you wish to place your equipment order by phone or discuss any product before ordering, just call our Telephone Sales Department TOLL-FREE at 800-521-3044 (in Alaska, Hawaii, & Michigan call us collect at 313-761-4700). The Equipment Department TOLL-FREE number is 800-521-0600.

**University Microfilms
International
300 N. Zeeb Rd.
Ann Arbor, Michigan
48106**

Microfiche Readers

NMI 510

The NMI (Northwest Microfilm) 510 Reader provides full-sized images from source document microfiche, and three-fourths sized images from COM (Computer Output Microfiche). This Reader offers sharp images on a rear projection screen slanted at 5°-7° for easy viewing.

Controls

Up-front controls are located for easy access.

Optics

Lenses available include 24x, 42x, and 48x. This Reader can be ordered with single or dual lenses; other lenses can be ordered. Full 360 degree image rotation is included.

Other Features

Works-in-a-drawer provides easy access for servicing. The patented V-glide Carrier allows quick location of data. Fanless operation to assure a quiet library.

Warranty

One year on all parts except screen, lamps, and glass. Ninety days on manufacturer supplied labor.

Specifications

Color: Beige and dark brown

Screen Type: Rear projection

Screen Size: 11" high x 11" wide

Magnification: 24x, 42x, 48x

Dimensions: 12" wide x 21 1/2" high x 16 3/4" deep

Weight: 22 lbs.

Construction: Painted steel, anodized aluminum and high-impact plastic

Lamp: 3000 hr. 80W quartz-halogen DDS

Focus: Precision ultrafine gear driven control

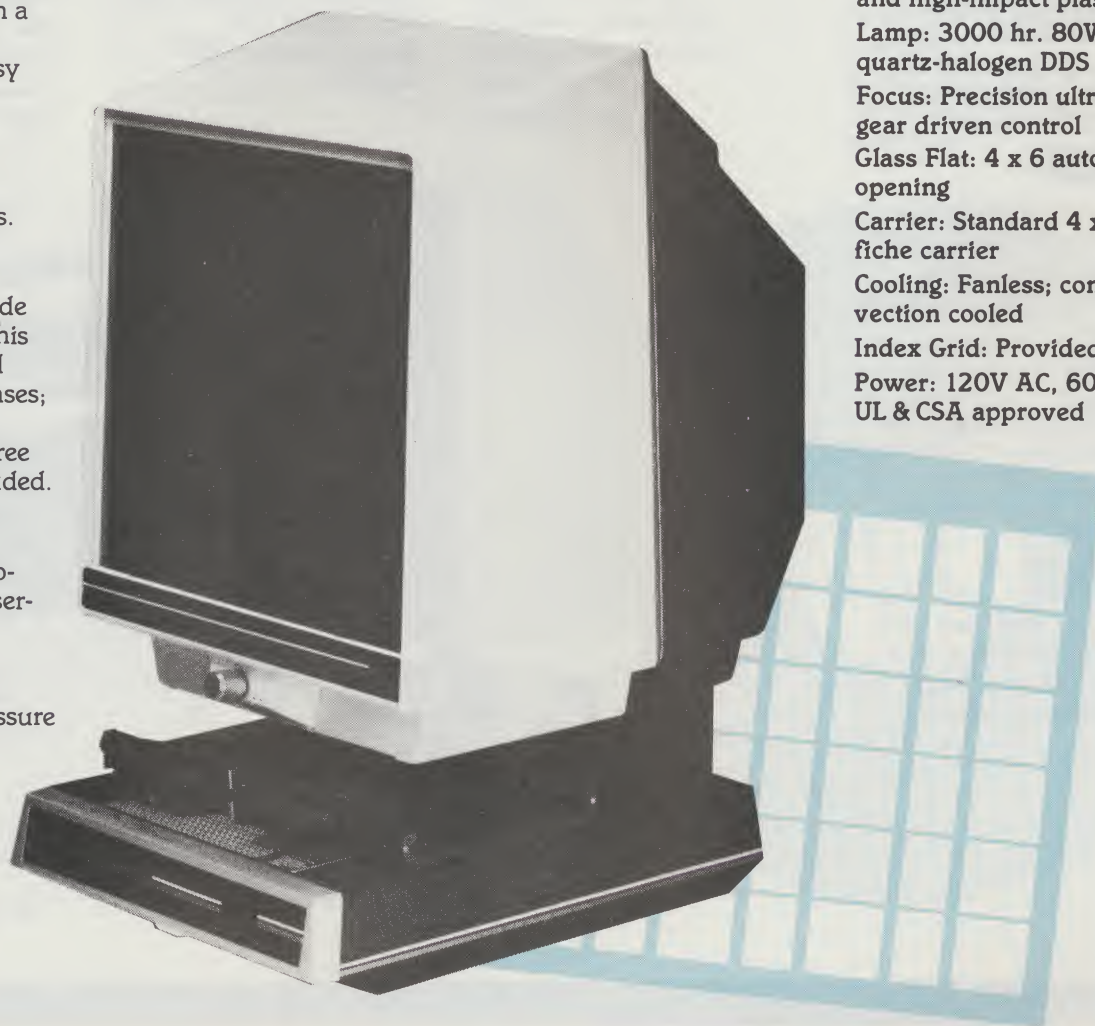
Glass Flat: 4 x 6 automatic opening

Carrier: Standard 4 x 6 fiche carrier

Cooling: Fanless; convection cooled

Index Grid: Provided

Power: 120V AC, 60 Hz; UL & CSA approved



Price List

Description	Order Number	Unit Price	Shipping & Handling
NMI Model 510 Image Rotation Microfiche Reader			
With Single Lens			
(Specify One Lens Size)	UM1B101	285.00	20.00
With Dual Lens			
(Specify Two Lens Sizes)	UM1B102	363.00	20.00
Accessories:			
Extra Lenses, 24x, 42x, 48x	UM1B103	52.00	N/C
DDS Replacement Lamp	UM1B104	12.50	N/C
Dust Cover	UM1B105	6.50	N/C

Microfiche Readers

NMI 514

The NMI (Northwest Microfilm) 514 Reader provides full-sized images from either source document or COM (Computer Output Microfiche). Sharp images are produced on a rear projection screen.

Controls

Up-front controls are located for easy access.

Optics

Lenses available include 24x, 42x, and 48x. This reader can be ordered with single or dual lenses; other lenses can be ordered.

Warranty

One year on all parts except screen, lamps, and glass. Ninety days on manufacturer supplied labor.

Other Features

Works-in-a-drawer provides easy access for servicing. The patented V-Glide Carrier allows quick location of data. Fanless operation assures a quiet library.

Specifications

Color: Beige and dark brown

Screen Type: Rear Projection

Screen Size: 11" high x 14" wide

Magnification: 24x, 42x, 48x

Dimensions: 15 1/4" wide x 19 1/4" high x 18 1/4" deep

Weight: 24 lbs.

Construction: High-impact colorfast plastic, anodized aluminum and painted steel

Lamp: 3000 hr. 80W quartz-halogen DDS

Focus: Precision ultra-fine gear driven control

Glass Flat: 4 x 6 automatic opening

Carrier: Standard 4 x 6 fiche carrier

Cooling: Fanless; convection cooled

Index Grid: Provided

Power: 120V AC, 60 Hz; UL & CSA approved



Price List

Description	Order Number	Unit Price	Shipping & Handling
NMI Model 514 Microfiche Reader			
With Single Lens			
(Specify One Lens Size)	UM1B201	265.00	20.00
With Dual Lens			
(Specify Two Lens Sizes)	UM1B202	343.00	20.00
Accessories:			
Extra Lenses: 24x, 42x, 48x	UM1B203	52.00	N/C
DDS Replacement Lamp	UM1B204	12.50	N/C
Dust Cover	UM1B205	6.50	N/C

Prices subject to change without notice.

Microfiche Readers

Realist Valiant 14

The Realist Valiant 14 Microfiche Reader offers simple operation and versatility. A special screen coating and a tinted image enhancer provide a clear, crisp image. The Reader can be ordered with a single lens or with a dual lens, with magnification ranges from 21x to 72x. The 14" x 11" screen delivers full-size source and full-size COM (Computer Output Microfiche) viewing.

Controls

Up-front controls assure easy operation. The light intensity is adjustable to three levels, and the viewing screen can be set to four different viewing angles, at the convenience of the user.

Optics

Lenses available include 21x, 24x, 28x, 42x, 48x, 57x, and 72x. This Reader can be ordered with a single lens or with a dual lens; 24x for source document microfiche; 42x for COM and for enlarging 24x images. Other dual lens combinations can be furnished. The floating lens is always in focus.

Other Features

A transparent line finder helps to locate information quickly, without blocking the view. Posidex™ indexing assists look-up. Fiche carrier glides easily in any direction. Automatic on/off switch is activated by movement of the carrier. Fanless operation assures a quiet environment and fewer service calls.

Warranty

One year limited manufacturer's warranty on parts and labor, excluding lamps, glass, and transportation by dealer.

Specifications

Color: Cream and black

Screen Type: Front projection

Screen Size: 11" high x 14" wide

Magnification: Dual lens available: 21x, 24x (for serials), 28x, 42x (for COM and enlarging 24x images), 48x, 57x, 72x

Dimensions: 20½" high x 15¾" wide x 15¾" deep

Weight: 19 lbs.

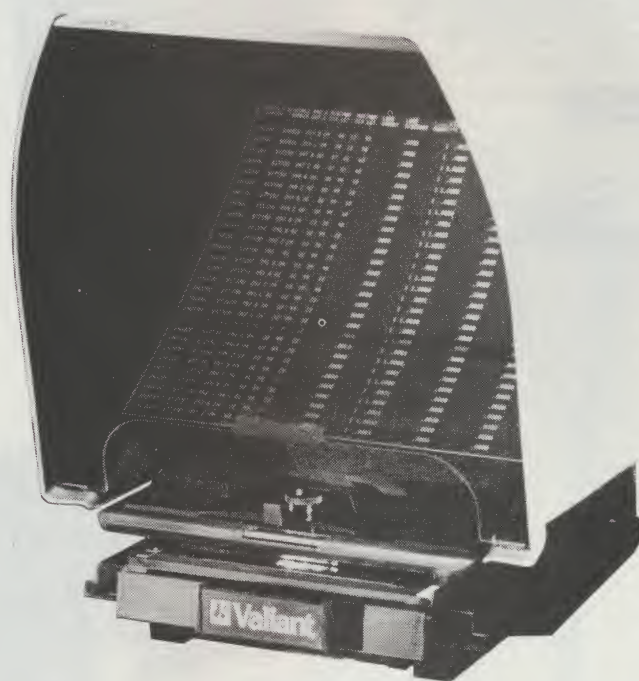
Lamp: 2500 hr. (normal setting) quartz-halogen EPZ

Focus: Floating lens, constant focus

Glass Flat: 4" x 6" (105mm x 152mm) automatic opening

Index Grid: Provided

Power: 110/120V AC, 50/60 Hz; UL listed, CSA approved



Price List

Description	Order Number	Unit Price	Shipping & Handling
Realist Valiant 14 Microfiche Reader			
With Single Lens			
(Specify One Lens Size)	UM1B501	278.00	15.00
With Dual Lens			
(Specify Two Lens Sizes)	UM1B502	315.00	15.00
Accessories:			
Extra Lenses: 21x, 24x, 28x, 42x, 48x, 57x, 72x	UM1B503	45.00	N/C
Dust Cover	UM1B504	6.00	N/C
EPZ Replacement Lamp	UM1B505	15.00	N/C

Microfiche Readers

Realist Vantage III

The Realist Vantage III Microfiche Reader is compact (less than 12 inches wide) and provides sharp images on a non-glare surface. Easy to operate with automatic opening fiche carrier and constant focus lens system. Magnifications from 8x to 75x are available, to accommodate both source document and COM (Computer Output Microfiche). A single lens is furnished with the Reader; other magnifications can be ordered.

Controls

Up-front controls for easy access. Off-on-bright switch gives complete control of light intensity.

Optics

See SPECIFICATIONS for lenses available. Lens is floating, with constant focus. An index grid is provided. Optics module drawer slides out for easy maintenance.

Warranty

One year limited manufacturer's warranty on parts and labor, excluding lamps, glass, and transportation by dealer.

Specifications

Color: Cream and black

Screen Type: Rear projection, vertical non-glare

Screen Size: 12" high x 9" wide

Magnification:

Lens—AA 8-10x, A 10-13x, B 13-17x, C 16-22x, D 18-25x, E 22-29x, F 28-36x, G 36-43x, H 50-60x, I 61-75x

Dimensions: 17½" high x 11¾" wide x 14½" deep
Weight: 26 lbs.

Construction: Metal frame, metal and plastic cover

Lamp: 2500 hr. (normal setting) quartz-halogen EPX

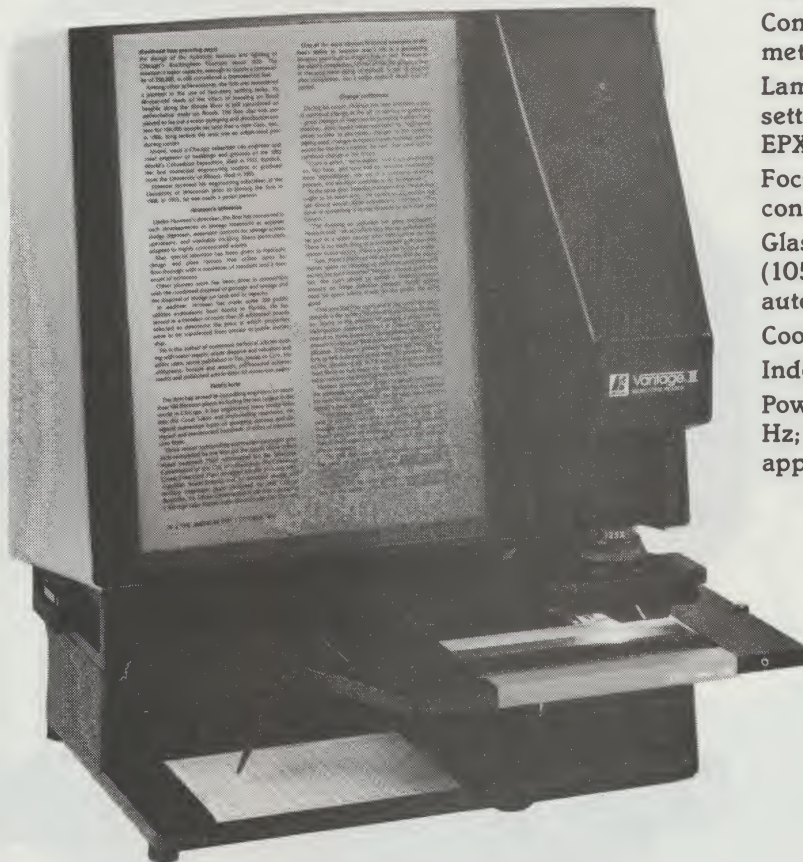
Focus: Floating lens, constant focus

Glass Flat: 4" x 6" (105mm x 152mm) automatic opening

Cooling: Fan

Index Grid: Provided

Power: 110/120V AC, 60 Hz; UL listed, CSA approved



Price List

Description	Order Number	Unit Price	Shipping & Handling
Realist Vantage III Microfiche Reader With Single Lens (Specify Lens Size)	UM1B401	344.00	15.00
Accessories:			
Lenses:	UM1B402	75.00	N/C
AA (8-10x) A (10-13x) B (13-17x) C (16-22x) D (18-25x) E (22-29x) F (28-36x) G (36-43x) H (50-60x) I (61-75x)			
Dust Cover	UM1B403	6.00	N/C
EPX Replacement Lamp	UM1B404	15.00	N/C

Prices subject to change without notice.

Microfiche Readers

Micron Model 770

The Micron Model 770 Microfiche Reader projects both source document and COM (Computer Output Microfiche) on an 11" x 11" screen. The floating lens and high-quality optics provide a clear and bright image.

Controls

Up-front controls are located for easy access. Two position lamp switch for high and low illumination.

Optics

Lenses available include 18x, 21x, 24x, 28x, 32x, 36x, 42x, 48x, 54x, and 65x. This Reader can be ordered with single or dual lenses; 24x for source document microfiche; 42x for COM (Computer Output Microfiche) and for enlarging 24x images. The floating lens is always in focus.

Other Features

Works-in-a-drawer provides easy access for servicing. Ultra-smooth fiche carrier glides easily to the desired position. Fanless operation assures a quiet environment.

Warranty

Six month limited manufacturer's warranty on parts, excluding lamps and glass.

Specifications

Color: Light gray and black

Screen Type: Rear projection

Screen Size: 11" x 11"

Magnification: 18x, 21x, 24x (for serials), 28x, 32x, 36x, 42x, 48x (for COM & enlarging 24x images), 54x, 65x

Dimensions: 19 $\frac{1}{8}$ " high x high x 12" wide x 17 $\frac{3}{4}$ " deep

Weight: 22.5 lbs.

Construction: Steel, aluminum and high-impact plastics

Lamp: 3000 hr. (normal setting) quartz-halogen DDS

Focus: Floating lens, constant focus

Glass Flat: 4" x 6" (105mm x 152mm) automatic opening

Cooling: Fanless; convection cooled

Power: 120V AC 50/60 Hz; optional 240V AC; UL listed, CSA approved



Price List

Description	Order Number	Unit Price	Shipping & Handling
Micron Model 770 Microfiche Reader			
With Single Lens			
(Specify One Lens Size)	UM1B701	245.00	25.00
With Dual Lens			
(Specify Two Lens Sizes)	UM1B702	310.00	25.00
Accessories:			
Extra Lenses: 18x, 21x, 24x, 28x, 32x, 36x, 42x, 48x, 54x, 65x	UM1B703	55.00	N/C
DDS Replacement Lamp	UM1B705	12.00	N/C
Dust Cover	UM1B706	7.00	N/C

Portable Microfilm Readers

Realist 3362 and 3361

The Realist 3362 and 3361 Portable Rollfilm Readers weigh only 14.5 pounds each, yet they project sharp, well-lighted images on 12" x 12" screens. The 3362, with a 17x lens, is used with 35mm film, while the 3361, with a 22x lens, is used with 16mm. Both can be used in upright or horizontal positions, to accommodate either image orientation.

Controls

Controls located up front for fast and simple operation. The manual film transport is reel-driven.

Optics

Brilliant image can be viewed in a lighted room. Cooling fan included.

Warranty

Ninety day limited manufacturer's warranty on parts and labor, excluding lamps, glass, and transportation by dealer.

Specifications

Color: Charcoal gray and white

Screen Size: 12" x 12"

Magnification: Model 3362—17x (for 35mm microfilm); Model 3361—22x (for 16mm microfilm)

Image Rotation: Entire unit stands upright or lies on side; accepts any rollfilm format or image orientation

Construction: High-impact resistant plastic

Cooling: Fan

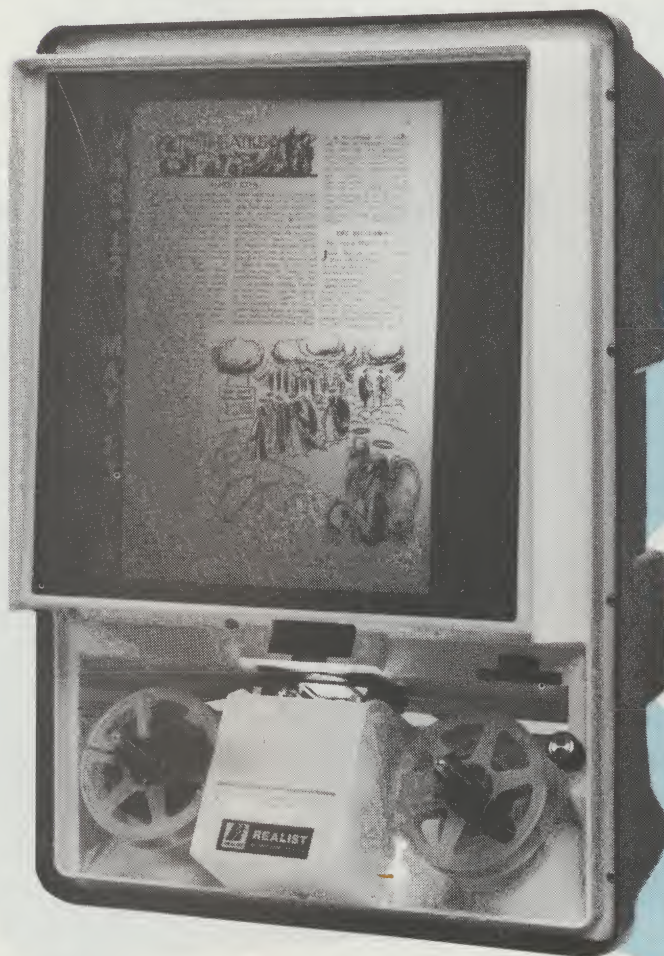
Lamp: 1000 hr. quartz-halogen FCR

Dimensions: 21" high x 15" wide x 7" deep

Weight: 14.5 lbs. (6.6 kg.)

Film Transport: Manual (reel driven)

Power: 110-125V AC, 60 Hz, 1.2A; UL listed



Price List

Description	Order Number	Unit Price	Shipping & Handling
Realist 3362 Manual Microfilm Reader With 17x Lens (for 35mm Microfilm)	UM1A401	425.00	10.00
Realist 3361 Manual Microfilm Reader With 22x Lens (for 16mm Microfilm)	UM1A402	430.00	10.00
Accessories:			
FCR Replacement Lamp	UM1A403	10.00	N/C
Dust Cover	UM1A404	6.00	N/C

Prices subject to change without notice.

Portable Microfiche Reader

Realist Agent Briefcase

The Realist Agent is a portable microfiche reader built into a briefcase, with plenty of room for a calculator, important papers and extras besides. Works on 110V AC or battery pack (45 minute or 3 hour modes available). Auto recharger can be ordered to provide for recharging battery pack while driving. Built-in panel holds up to 40 fiche. Projects a large (10½" x 10½") clear image that can be viewed by several people at the same time. Magnifications available from 14x to 37x.

Optics

Lenses available include 14x, 18x, 24x, 30x, and 37x, all interchangeable. One lens is furnished with the Reader. Fanless operation for a quiet environment.

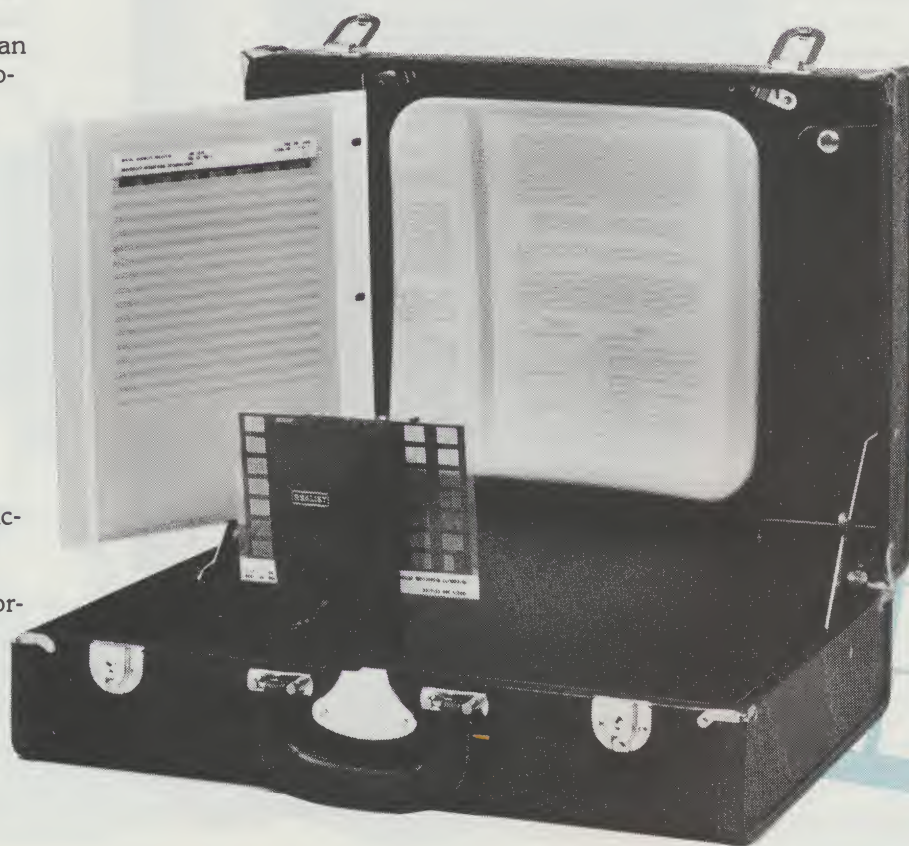
Warranty

One year limited manufacturer's warranty on parts and labor, excluding lamps, glass, and transportation by dealer.

Specifications

Color: Brown, vinyl woodgrain
Screen Type: Front projection; optivue curved silver
Screen Size: 10½" x 10½"
Magnification: 14x, 18x, 24x, 30x, 37x; interchangeable lenses
Dimensions: Briefcase 17" high x 13" wide x 5" deep
Weight: 10 lbs.

Construction: Leather-like vinyl; sturdy design
Lamp: 6V 10W low wattage tungsten halogen ESA
Focus: Projection head; no movable parts
Index Grid: Strip indexing included
Power: 110-120V Ac, 50/60 Hz; UL listed



Price List

Description	Order Number	Unit Price	Shipping & Handling
Realist Agent Briefcase Portable Microfiche Reader With Single Lens (Specify Lens Size)	UM1B601	230.00	15.00
Accessories:			
Interchangeable Lenses:			
14x, 18x, 24x, 30x, 37x	UM1B602	45.00	N/C
¾ Hour Battery Pack	UM1B603	55.00	N/C
3 Hour Battery Pack	UM1B604	85.00	N/C
Auto Recharger	UM1B605	8.50	N/C
ESA Replacement Lamp	UM1B606	7.00	N/C

Portable Microfiche Reader

Consolidated Micrographics Model 103

The Consolidated Micrographics Model 103 is a large-screen portable microfiche reader. It can be used with its built-in (11" x 14") screen or to project an image onto a wall or a larger screen. The Reader can be operated from either AC or DC power or from an optional internal battery pack. Interchangeable lenses offer magnifications from 24x to 48x.

Controls

Up-front controls for easy operation. Built-in microfiche carrier and floating lens system for positive focus control.

Optics

Reader comes equipped with a single lens; magnifications available include 24x, 29x, 36x, 42x, and 48x. An index grid is provided with each reader. Also includes an automatic opening glass flat.

Warranty

Ninety day limited manufacturer's warranty, excluding lamps and glass.

Specifications

Color: Brown cover, black interior

Screen Type: Front projection; white; anti-reflection

Screen Size: 11" high x 14" wide

Magnification: 24x, 29x, 36x, 42x, 48x; interchangeable lenses

Dimensions: Case 14½" high x 14½" wide x 4" deep

Weight: 12¾ lbs.

Construction: Molded plastic with metal casing

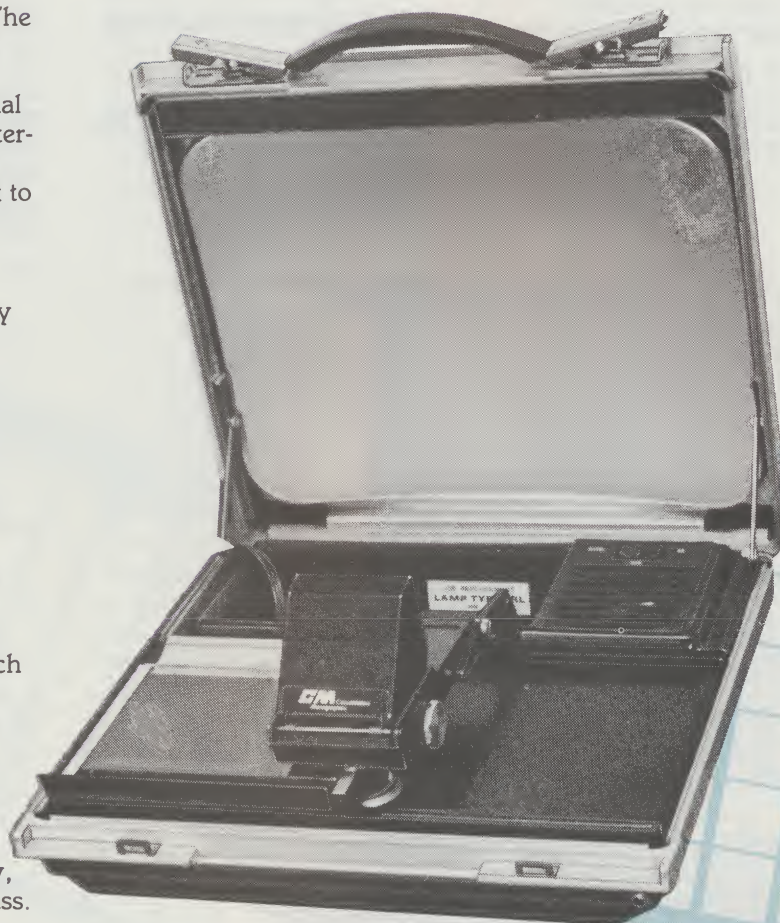
Lamp: 2500 hr. 12V 50W quartz-halogen FHR

Glass Flat: 4" x 6" automatic opening

Cooling: Fan

Index Grid: Provided

Power: 110V AC or DC optional internal battery pack



Price List

Description	Order Number	Unit Price	Shipping & Handling
Consolidated Micrographics 103 Portable Microfiche Reader With Single Lens (Specify Lens Size)	UM1B901	315.00	15.00
Accessories:			
Lenses: 24x, 29x, 36x, 42x, 48x	UM1B902	55.00	N/C
Battery Pack	UM1B903	120.00	N/C
FHR Replacement Lamp	UM1B904	10.00	N/C

Microfiche Reader-Printers

Consolidated Micrographics Model 5550

The Consolidated Micrographics Model 5550 is a microfiche reader-printer that projects three-quarter size COM (Computer Output Microfiche) or full-size source document microfiche on a non-glare screen. It also produces, on demand, high-quality electrostatic copies. Bimodal operation permits positive copies to be made from either negative or positive fiche; the processing time is only eight seconds. Six copy sizes are available, to 11" x 11". Easy maintenance and loading.

Controls

Microfiche carrier is located below screen; printer controls above screen.

Optics

Basic reader-printer includes single lens; other lenses can be ordered separately. Magnifications available include 15x, 18x, 24x, 32x, 36x, 40x, 50x, 52x, 66x, and 80x.

Other Features

Electrostatic imaging with liquid toner processing and automatic roll-paper feed.

Warranty

Ninety day limited manufacturer's warranty on parts and labor excluding lamps, glass, and transportation charges by dealer.

Specifications

Color: Cream and black

Copy Size: A4 or letter size (length-wise & lateral); B5 or invoice size (length-wise); plus four other variations from 5¼" to 11" x 11"

Copying Speed: 8 seconds per copy

Copying System: Electrostatic imaging with liquid toner processing

Paper Feed: Automatic with roll-paper

Magnifications: 15x, 18x, 24x, 32x, 36x, 40x, 50x, 52x, 66x, 80x

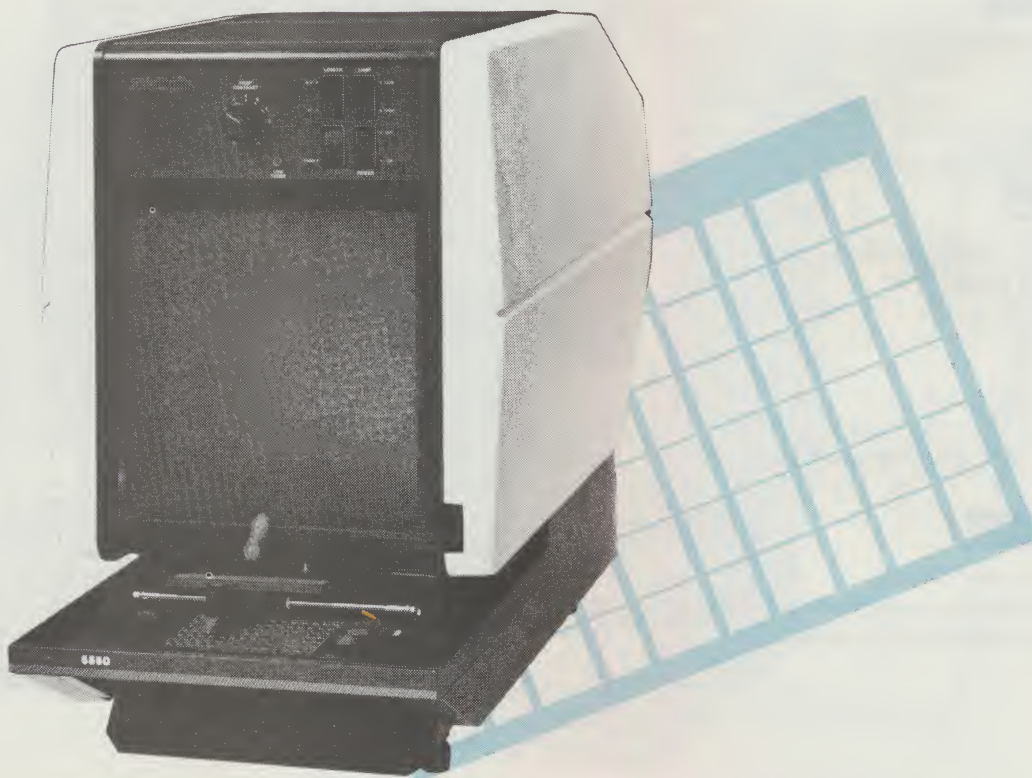
Screen: 11½" x 11½" non-glare

Light Source: 24V 150W quartz-halogen lamp FCS

Power: 120V AC, 60 Hz; UL listed, CSA approved

Dimensions: 17¾" wide x 24⅛" high x 30¾" deep (451mm x 613mm x 781mm)

Weight: 75 lbs.



Price List

Description	Order Number	Unit Price	Shipping & Handling
Consolidated Micrographics Model 5550 Microfiche Reader- Printer			
Basic Unit With Single Lens; Bimodal (Specify Lens Size)	UM2B101	1,780.00	35.00
Accessories:			
Lenses: 15x, 18x, 24x, 32x, 36x, 40x, 50x, 52x, 66x, 80x	UM2B102	72.00	N/C
Dust Cover	UM2B103	11.50	N/C
Replacement Lamp FCS	UM2B104	10.00	N/C
Reader-Printer Carrel	(See Section on Carrels under FURNITURE, this catalog)		
Reader-Printer Turntable	(See Section on ACCESSORIES, this catalog)		
(Needed for Carrel)			

COMPLETE UNIT PRICING INCLUDES SET-UP, A STARTING SUPPLY OF PAPER AND TONER.
SERVICE IS AVAILABLE THROUGH FACTORY AUTHORIZED SERVICE LOCATIONS.

Microfiche Reader-Printers

Consolidated Micrographics Model DRI 5800

The Consolidated Micrographics Model DRI 5800 is the first dry toner process microfiche reader-printer with Auto Exposure Assist to assure perfect copies every time. It accepts microfiche, jacket or aperture cards. The DRI 5800 projects three-quarter size COM (Computer Output Microfiche) or full-size source document microfiche on a non-glare screen, and produces, on demand, dry, high-quality electrostatic copies. Bimodal operation permits positive copies to be made from either negative or positive fiche. Dual lens capability adds versatility. Six copy sizes are available, to 11" x 11". Easy maintenance and loading.

Controls

Power, print, light intensity, contrast, and copy length selection controls are placed up front for ease of operation. Photosensitive cell monitors the amount of light reaching the paper to guarantee perfect copies without manual adjustment.

Optics

Basic reader-printer is furnished with a single lens; however, a dual lens capability is included. Magnifications available include 18x, 24x, 32x, 36x, 40x, 50x, 52x, 66x, 80x.

Other Features

Dry print formula assures copies that do not fade or discolor with age; copies can be written on with pen or pencil. The dry toner comes in a unique self-sealing container, providing a neat, faultless, no mess process. Printer is ready for use immediately; no warm-up time required.

Warranty

Ninety day limited manufacturer's warranty on parts and labor excluding lamps, glass, and transportation charges by dealer.

Specifications

Color: Cream and black
Copy Size: A4 or letter size (length-wise & lateral); B5 or invoice size (length-wise); plus four other variations from 5 1/4" x 6 1/2" to 11" x 11"
Copying Speed: 8 seconds per copy
Copying System: Electrostatic imaging with dry toner processing
Paper Feed: Automatic with roll-paper

Magnification: 18x, 24x, 32x, 36x, 40x, 50x, 52x, 66x, 80x
Screen: 11" x 11" non-glare; blue
Light Source: 24V 150W quartz-halogen lamp FCS
Power: 120V AC, 60 Hz; UL listed, CSA approved
Dimensions: 17 3/4" wide x 27" high x 31 3/4" deep (451mm x 686mm x 807mm)
Weight: 141 lbs. (64 kg)



Price List

Description	Order Number	Unit Price	Shipping & Handling
Consolidated Micrographics Model DRI 5800 Microfiche Reader-Printer			
Basic Unit With Single Lens; Bimodal (Specify Lens Size)	UM2C101	2795.00	35.00
Accessories:			
Lenses: 18x, 24x, 32x, 36x, 40x, 50x, 52x, 66x, 80x	UM2C102	72.00	N/C
Dust Cover	UM2C104	11.50	N/C
Replacement Lamp FCS	UM2C105	10.00	N/C
Reader-Printer Carrel	(See Section on Carrels under FURNITURE, this catalog)		
Reader-Printer Turntable (Needed for Carrel)	(See Section on ACCESSORIES, this catalog)		

COMPLETE UNIT PRICING INCLUDES SET-UP, A STARTING SUPPLY OF PAPER AND TONER.
SERVICE IS AVAILABLE THROUGH FACTORY AUTHORIZED SERVICE LOCATIONS.

Microform Reader-Printers

Minolta RP405E

The Minolta RP405E will accommodate virtually all standard microforms including 35mm and 16mm rollfilm, microfiche, jackets aperture cards, 3M "M" type and Easyload cartridges, and Kodak Ektamate™ magazines. These are projected on a large (12" x 12") non-glare screen, while producing on demand, dry, high-quality electrostatic copies. A variety of film carriers and lenses are available to adapt to the many types of microforms. Electronic automatic exposure control for simplified operation. Bimodal print capability provides positive prints from either negative or positive microforms. Continuous multiple copies are easily made at the touch of a button. Three standard copy lengths can be selected by the operator. Coin-operated control button available, with bypass for owner use.

Controls

Power, print, multiple copy, copysize, and contrast controls up front for

ease of operation. Photo-sensitive cell monitors the amount of light reaching the paper to guarantee perfect copies without manual adjustment.

Optics

One (or more) lens(es) must be ordered with the Reader-Printer. Magnifications available include 8x, 9x, 11x, 13x, 14x, 17x, 18x, 20x, 21x, 24x, 28x, 31x, 34x, 39x, 41x, 45x, 50x, and 90x. (Special conversion kit recommended with 90x lens.) All are Minolta Rokkor Lenses, among the world's best. Sharp images guaranteed.

Warranty

Ninety day limited manufacturer's warranty on parts and labor excluding glass, and transportation charges by dealer.

Accessories

Four film carriers are available from UMI. All carriers are easily mounted and can be removed and replaced without special tools. They are:



Price List

Description	Order Number	Unit Price	Shipping & Handling
Minolta RP405E Microform Reader-Printer Basic Unit with Auto-Exposure (Order Desired Microform Carrier(s) and Lens(es) to Complete Reader-Printer)			
Base Unit	UM2A101	2695.00	75.00
Microfilm Carriers:			
Rollfilm Carrier 2 Motor Drive (for 16mm & 35mm Microfilm)	UM2A103	990.00	N/C
Rollfilm Carrier 5 Motor Drive (for 3M Type Cartridges, 16mm & 35mm Microfilm)	UM2A104	1600.00	N/C
Rollfilm Carrier 6 Motor Drive (for 3M Type, Easyload Cartridges, Kodak Ektamate™, 16mm and 35mm Rollfilm)	UM2A114	1950.00	N/C
Microfiche Carrier:			
Microfiche Carrier 2 (for 4" x 6" Microfiche & Aperture Cards)	UM2A105	250.00	N/C

Available through UMI in USA

Prices subject to change without notice.

Accessories (continued)

Roll Film Carrier 2

Motor driven, for 16mm and 35mm rolls. Three-digit film counter achieves rapid, precise data retrieval. Smooth, stepless speed control. 360° image rotation.

Roll Film Carrier 5

For 16mm and 35mm rolls, and 3M film cartridge (16mm x 100 ft.). Motor-driven with stepless speed control from 5 to 1000mm per second. Automatic loading with 3M cartridge. Three-digit film counter. 360° image rotation.

Roll Film Carrier 6

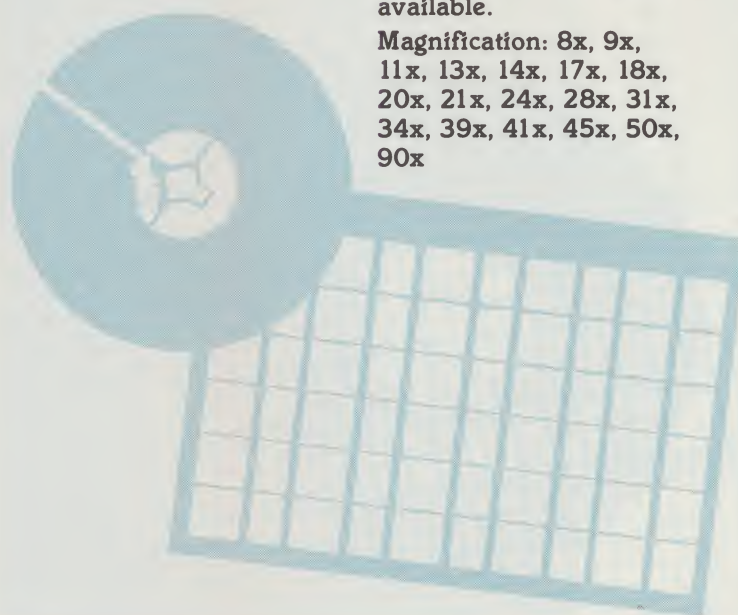
Same features as Carrier 5. Also automatic loading of 3M "M" type cartridges, Easyload and Kodak Ektamate™ cartridges. Also accepts 16mm and 35mm open spools.

Microfiche Carrier 2

Accepts microfiche and aperture cards up to 105 x 178.3mm. Automatically opening glass flats. 360° image rotation.

Model 3300 Coin-Op

Attaches to left side of RP405E. Has sturdy, trouble-free design, and a coin bypass option which makes the Reader-Printer available for owner usage. Two keys are provided for the coin box; one for the bypass operation. In the event of failure to print, coins are returned. Charges 10 cents per copy. Cash box capacity \$150.00. Dimensions: 3½" wide x 7" deep by 11½" high.



Specifications

Color: White with blue and black

Copy Cut Lengths: 5½", 8½", 11"

Copying Speed: 5 copies per minute

Multiple Copy: 1 to 20 copies; countdown dial

Copying System: Electrostatic imaging with liquid toner processing

Print System: Positive prints from both negative & positive film; bimodal

Paper Feed: Automatic with roll-paper; 5½", 8½", and 11" roll widths available.

Magnification: 8x, 9x, 11x, 13x, 14x, 17x, 18x, 20x, 21x, 24x, 28x, 31x, 34x, 39x, 41x, 45x, 50x, 90x

Screen: 12" x 12" (305mm x 305mm) non-glare; grey tint

Light Source: 24V 150W quartz-halogen lamp FCS
Power: 120V AC, 50/60 Hz; UL listed, CSA approved.

Consumption: Approx. 300VA (without motorized film carrier)

Dimensions: 20½" wide x 25½" deep x 27½" high (520mm x 650mm x 700mm)

Weight: 180 lbs. (82kg)

Price List

Description	Order Number	Unit Price	Shipping & Handling
Lenses: 8x, 9x, 11x, 13x, 14x, 17x (for Serials on Microfilm), 18x, 20x, 21x, (for 16mm Microfilm & 3M type Cartridges), 24x (for Serials on Microfiche), 28x, 31x, 34x, 39x, 41x, 45x, 50x	UM2A107	150.00	N/C
90x Lens (see Conversion Kit below)	UM2A113	290.00	N/C
Conversion Kit for use with 90x Lens	UM2A115	215.00	N/C
Accessories:			
Reader-Printer Carrel (starter—see section on Carrels under Furniture, this catalog.)			
Cabinet Stand	UM2A111	245.00	N/C
FCS Replacement Lamp	UM2A109	10.00	N/C
Additional Dust Cover	UM2A110	10.00	N/C
Coin-Op Model 3300 (Accepts Dimes Only)	UM2A112	295.00	N/C
Reader-Printer Turntable (Needed for Carrel)	UM2A108	85.00	N/C

Complete unit pricing includes set up, a starting supply of paper and toner.

Prices subject to change without notice.

Service is available through factory authorized service locations.

Microform Cabinets

Spacesaver Microfilm Cabinet

The Spacesaver combination Microfilm Cabinet consists of an upper unit, containing five vertical pull-out drawers, resting on a lower unit with eleven horizontal drawers. Upper and lower unit can be purchased separately, with or without security locks. The entire cabinet stores up to 1360 reels of 35mm or 2265 reels of 16mm film and requires only five square feet of floor space.

Features

The dust-free drawers are furnished with full-extension cradle suspensions featuring positive stops. Design permits easy removal of any reel. In the upper vertical cabinet, the microfilm is available from both the right and left sides. Construction is of heavy gauge steel with baked enamel finish and aluminum trim. Available in 20 colors; color chart on request. Magnetic compressors for upper and lower units optional.

Warranty

One year guarantee from the date of acceptance. During this period all broken or defective parts not caused by accident or misuse through fault or negligence by the purchaser will be replaced by the manufacturer.

Specifications

Upper Unit:

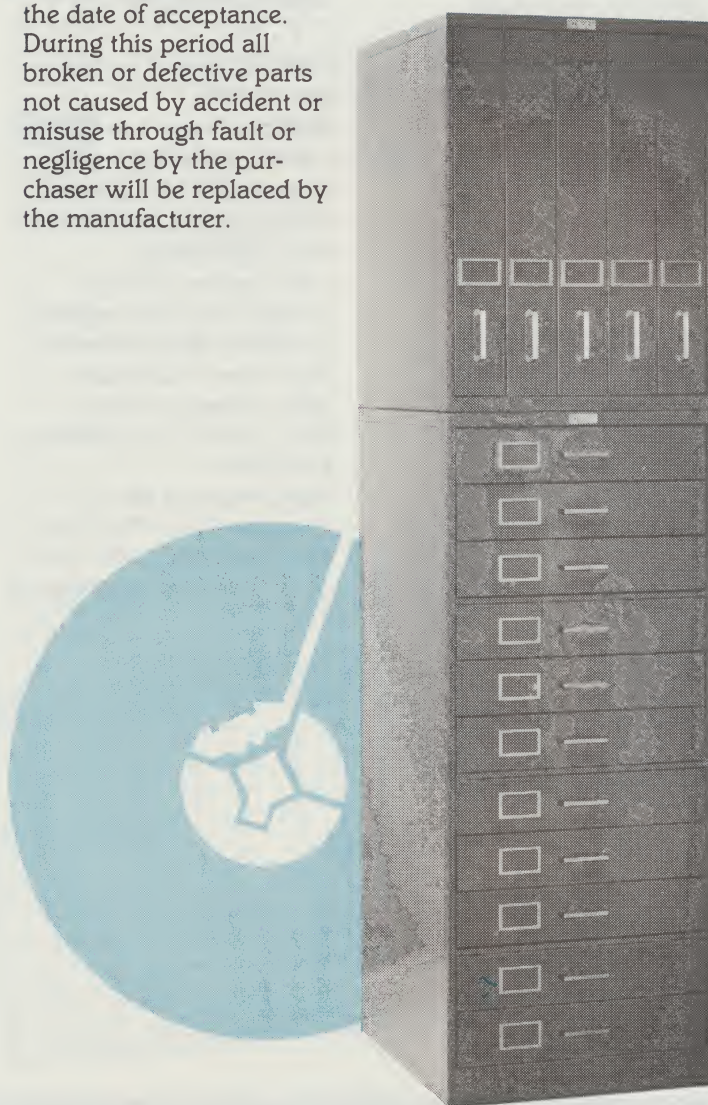
Capacity: 16mm—780 reels; 35mm—480 reels
Dimensions: 33" high x 23¾" wide x 28½" deep
Weight: 240 lbs.

Lower Unit:

Capacity: 16mm—1485 reels; 35mm—880 reels
Dimensions: 57½" high x 23¾" wide x 28½" deep
Weight: 370 lbs.

Combined Units:

Capacity: 16mm—2265 reels; 35mm—1360 reels
Dimensions: 90½" high x 23¾" wide x 28½" deep
Weight: 610 lbs.



Price List

Description	Order Number	Unit Price	Zone 1	Shipping & Handling (see map)	
				Zone 2	Zone 3
Spacesaver Microfilm Cabinet (Specify Color)					
5 Drawer Upper Unit	UM3A101	785.00	45.00	60.00	85.00
5 Drawer Upper with Lock	UM3A102	820.00	45.00	60.00	85.00
11 Drawer Lower Unit	UM3A103	985.00	60.00	90.00	105.00
11 Drawer Lower with Lock	UM3A104	1040.00	60.00	90.00	105.00
Combined Unit	UM3A105	1770.00	85.00	120.00	165.00
Combined Unit with Lock	UM3A106	1860.00	85.00	120.00	165.00
Magnetic Upper & Lower Compressor, each	UM3A108	5.25	N/C	N/C	N/C

Available with External Handles Only

Microform Cabinets

Spacesaver Microfiche Cabinets

These compact Microfiche Cabinets are available in eight-drawer and four-drawer models, two compartments wide. The eight-drawer model has a capacity of 44,000 fiche, while the four-drawer model stores 22,000 fiche. Cabinets are available with or without security locks.

Features

All cabinets are constructed of welded heavy gauge steel. Drawers are furnished with two label holders, plus mechanical compressors for greater accessibility and convenience of use. Full extension drawer cradles allow access to the rear of each compartment. All units are available in your choice of 20 colors. Color chart available on request.

Warranty

One year guarantee from the date of acceptance. During this period all broken or defective parts not caused by accident or misuse through fault or negligence by the purchaser will be replaced by the manufacturer.

Specifications

8 Drawer Fiche Cabinet:

Capacity: 16 compartments; 44,000 fiche (based on 100 4" x 6" fiche per inch, without envelopes)

Dimensions: 51 7/8" high x 15 3/8" wide x 28 1/2" deep

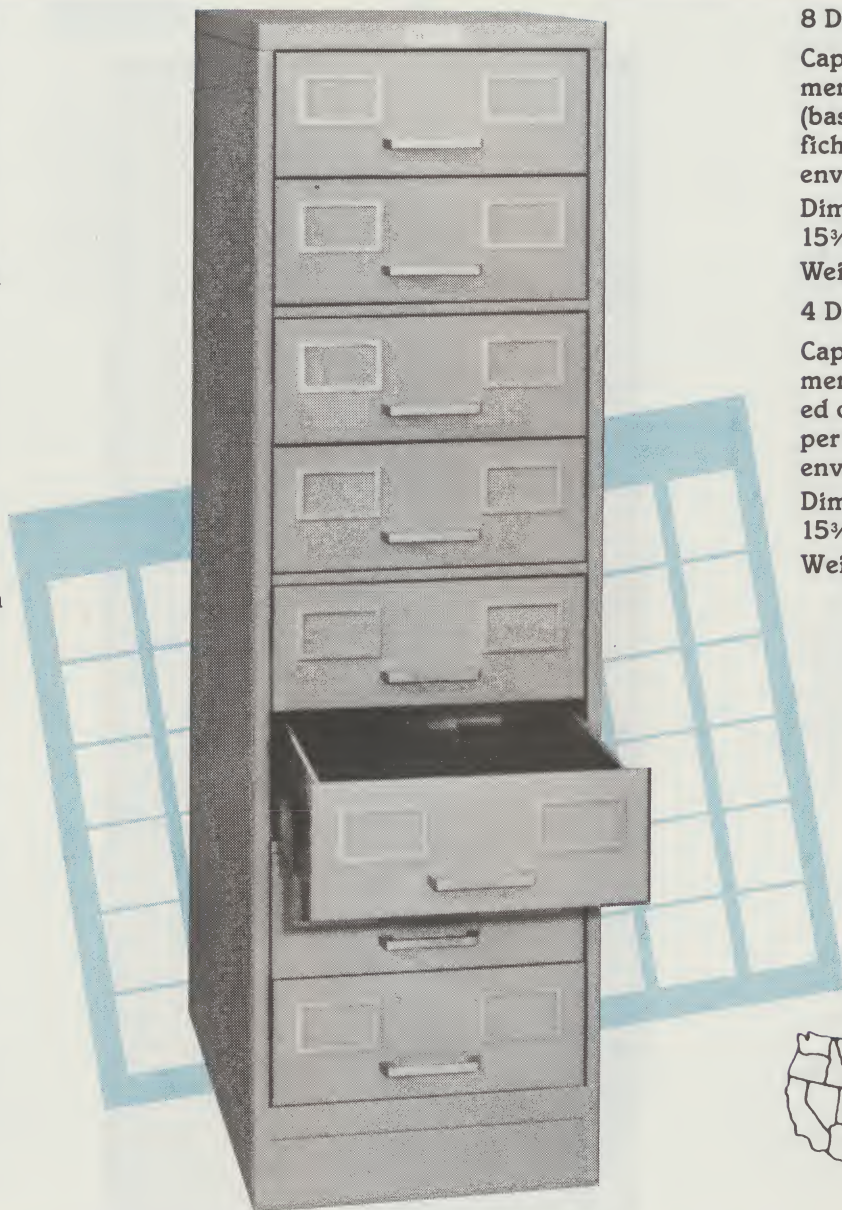
Weight: 211 lbs.

4 Drawer Fiche Cabinet:

Capacity: 8 compartments; 22,000 fiche (based on 100 4" x 6" fiche per inch, without envelopes)

Dimensions: 28 7/8" high x 15 3/8" wide x 28 1/2" deep

Weight: 112 lbs.



Price List

Description	Order Number	Unit Price	Shipping & Handling (see map)		
			Zone 1	Zone 2	Zone 3
Spacesaver Microfiche Cabinet (Specify Color)					
2 Compartments Wide:					
8 Drawer	UM3A207	848.00	45.00	55.00	65.00
8 Drawer with Lock	UM3A208	890.00	45.00	55.00	65.00
4 Drawer	UM3A211	506.00	40.00	50.00	60.00
4 Drawer with Lock	UM3A212	540.00	40.00	50.00	60.00

Available with External Handles Only

Prices subject to change without notice.

Microform Cabinets

Spacesaver Microfiche Cabinets

These Spacesaver Microfiche Cabinets feature drawers three compartments wide for efficient use of floor space. The ten-drawer model has a capacity of 82,500 fiche, while the eight-drawer model stores 66,000 fiche. Cabinets are available with or without security locks.

Features

All cabinets are constructed of welded heavy gauge steel. Drawers are furnished with label holders, plus mechanical compressors for greater accessibility and convenience of use. Full extension drawer cradles allow access to the rear of each compartment. All units are available in your choice of 20 colors. Color chart available on request.

Warranty

One year guarantee from the date of acceptance. During this period all broken or defective parts not caused by accident or misuse through fault or negligence by the purchaser will be replaced by the manufacturer.



Specifications

10 Drawer Fiche Cabinet:

Capacity: 30 compartments; 82,500 fiche (based on 100 4" x 6" fiche per inch, without envelopes)

Dimensions: 59 3/4" high x 23 3/4" wide x 28 1/2" deep
Weight 354 lbs.

8 Drawer Fiche Cabinet:

Capacity 24 compartments; 66,000 fiche (based on 100 4" x 6" fiche per inch, without envelopes)

Dimensions: 51 7/8" high x 23 3/4" wide x 28 1/2" deep
Weight 311 lbs.



Price List

Description	Order Number	Unit Price	Zone 1	Shipping & Handling (see map)	
				Zone 2	Zone 3
Spacesaver Microfiche Cabinet (Specify Color)					
3 Compartments Wide:					
10 Drawer	UM3A203	1020.00	60.00	90.00	105.00
10 Drawer with Lock	UM3A204	1068.00	60.00	90.00	105.00
8 Drawer	UM3A205	878.00	55.00	70.00	90.00
8 Drawer with Lock	UM3A206	920.00	55.00	70.00	90.00

Available with External Handles Only

Microform Cabinets

Spacesaver Universal

Spacesaver Universal Microform Cabinets allow storage of either microfilm or microfiche, or both, all in the same cabinet, in separate drawers. Ten-drawer and four-drawer units are available. Either unit can be purchased with or without security locks. When ordering, specify which microformat is required, together with the number of drawers allotted to each. Each drawer accommodates 135 rolls of 16mm or 80 rolls of 35mm microfilm, or 8250 4" x 6" microfiche.

Features

The dust-free drawers are furnished with full-extension cradle suspensions featuring positive stops. The microfilm and microfiche inserts are removable to facilitate changing from one microformat to another. Design permits easy removal of reel or fiche. Construction is of heavy gauge steel with baked enamel finish and aluminum trim. Available in your choice of 20 colors. Color chart on request.

Warranty

One year guarantee from the date of acceptance. During this period all broken or defective parts not caused by accident or misuse through fault or negligence by the purchaser will be replaced by the manufacturer.



Specifications

10 Drawer Universal Microform Cabinet:

Dimensions: 59 $\frac{3}{4}$ " high x 23 $\frac{3}{4}$ " wide x 28 $\frac{1}{2}$ " deep

Weight: Film 372 lbs.
Fiche 462 lbs.

4 Drawer Universal Microform Cabinet:

Dimensions: 28 $\frac{1}{4}$ " high x 23 $\frac{3}{4}$ " wide x 28 $\frac{1}{2}$ " deep

Weight: Film 230 lbs.
Fiche: 266 lbs.

Capacity Per Drawer:

Microfilm (5 compartments):

16mm—135 rolls per drawer
35mm—80 rolls per drawer

Microfiche (3 compartments):

8,250 per drawer (based on 100 4" x 6" fiche per inch, without envelopes)



Price List

Description	Order Number	Unit Price	Shipping & Handling (see map)		
			Zone 1	Zone 2	Zone 3
Spacesaver Universal Cabinet (Specify Color)					
(No Compartments)					
10 Drawer	UM3A301	655.00	75.00	90.00	120.00
10 Drawer with Lock	UM3A302	705.00	75.00	90.00	120.00
4 Drawer	UM3A303	360.00	45.00	60.00	85.00
4 Drawer with Lock	UM3A304	395.00	45.00	60.00	85.00
WHEN ORDERING, SPECIFY WHICH MICROFORMAT YOU REQUIRE, THE NUMBER OF DRAWERS TO BE ALLOTTED FOR EACH, AND INCLUDE THE FOLLOWING COST OF APPROPRIATE INSERTS					
Microfilm Inserts, each	UM3A305	35.00	N/C	N/C	N/C
Microfiche Inserts, each	UM3A306	75.00	N/C	N/C	N/C

Prices subject to change without notice.

Available with External Handles Only

Furniture

Worden Carrels

Worden Carrels are designed for heavy-duty use. Full-length side panels assure privacy. The spacious desk top provides a place to spread out notebooks, textbooks, papers, etc. A storage shelf allows ample room for books,

purses, and other personal items. Adjustable floor glides allow leveling of the Carrel on any floor surface. Can also accommodate microform readers. Attractive varsity oak finish.

Specifications

Top: The work surface is 1 1/4" thick with a 1/8" high-pressure plastic laminate face, 3-ply flakeboard core, and balanced construction. The front edges are banded with solid oak and bullnose shaped. The work surface is attached to the side and back panels by means of a metal "Z-bar" secured to underside of work surface.

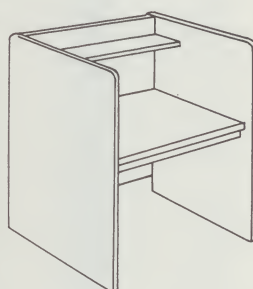
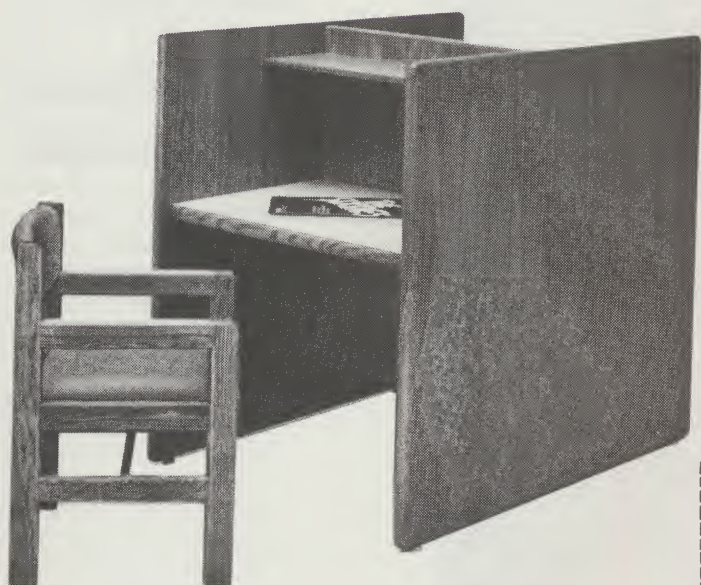
End Assembly: Panel ends are 1 3/8" thick, 3-ply flakeboard core plywood with select veneer both faces. All four edges of panel profile are shaped to a 1" radius and edges are continuous bullnose shaped.

Back Panel: Back panels are 1 3/8" thick, 3-ply flakeboard core plywood with select face veneer both faces. Top and bottom edges are banded with solid oak and bullnose shaped. The panel is set down 3/4" from top of side panels and terminates 6" above floor at bottom.

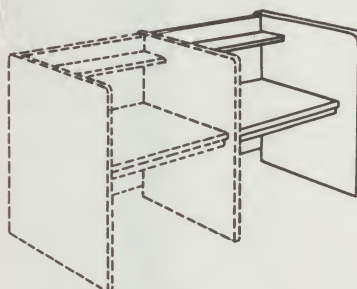
Shelf: Storage shelf is 1" thick, 3-ply flakeboard core plywood with show-wood face veneer on top. Front edge is banded with solid oak and bullnose shaped. The shelf is 10" deep and is positioned 15" above desk top.

Glides: Each panel end is equipped with a pair of adjustable leveling glides.

Dimensions: 36 7/8" wide x 31 1/2" deep x 48" high; adder—35 1/8" wide



Single Face



Single Face with Adder

Price List

Description	Order Number	Unit Price	Shipping & Handling
Worden Carrels			
36" Single Face Starter	UM4A801	585.00	50.00
36" Single Face Adder	UM4A802	445.00	50.00

Furniture

Commander Study Carrels

Commander Study Carrels provide an efficient work area, with plenty of room to spread out papers, notebooks, and the like. A convenient storage shelf along the back panel provides space for reference materials and personal items.

These Carrels are solidly made, with scratch-resistant melamine surfaces on rigid flakeboard cores, sturdy aluminum posts and steel angle brackets to support the desk top. Can be used in many configurations, as indicated in the diagram on this page. Large side panels assure privacy, and less distraction for the user.

Accessories

AC Power Panel
AC Duplex Convenience Outlet
Fluorescent Light

Configurations

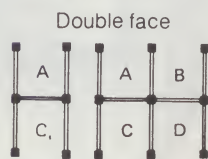
These four basic units (A, B, C, D) can be arranged in any right angle format. Here are some of the many different ways you can arrange carrels.



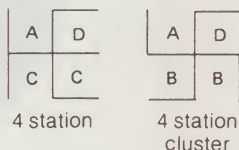
Single Face



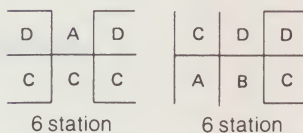
Starter Starter-Adder



Double face Starter Starter-Adder



4 station 4 station cluster



6 station 6 station

Specifications

Dimensions: 51" high x 36" wide x 36" deep with 36" side panels; work surface is 29" above floor

Construction
Posts: 1 1/4" extruded aluminum with Versa-Lock inserts for quick

assembly, rigidity
Panels: Woodgrain pattern melamine surface bonded to flakeboard core
Desk Top: Simulated white leather work surface



Price List

Description	Order Number	Unit Price	Shipping & Handling
Commander Study Carrels*			
A—Single Face Starter 24" x 36"	UM4A301	230.00	25.00
B—Single Face Adder 24" x 36"	UM4A302	186.00	25.00
AC—Double Face Starter 48" x 36"	UM4A303	416.00	35.00
BD—Double Face Adder 48" x 36"	UM4A304	332.00	35.00
ADBB—Four Station Cluster 24" x 36"	UM4A305	740.00	50.00
*Please include rough layout sketch of multiple carrel configurations.			
Accessories			
AC Power Panel	UM4A501	32.00	N/C
AC Duplex Convenience Outlet	UM4A502	12.00	N/C
Fluorescent Light (15W)	UM4A503	40.00	N/C

Prices subject to change without notice.

Furniture

Command Carrels for Dukane MMR 16 + 35 Reader

These Carrels accommodate the Dukane MMR 16 + 35 Rollfilm Reader (see Section on "Film Readers"). A cut-out in the desk top holds the Reader at the proper viewing angle to assist all users, particularly those wearing bifocals. Ample writing room is provided in the 15 inches between the front of the desk surface and the Reader control panel. A shelf is provided across the back to hold research materials.

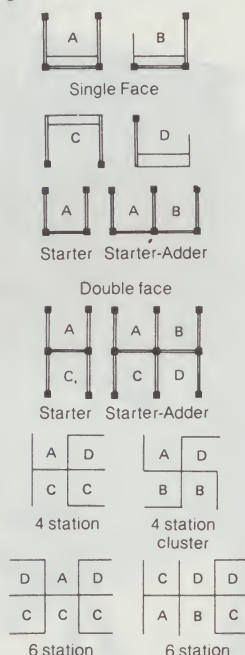
Command Carrels are solidly made, with scratch-resistant melamine surfaces on rigid flakeboard cores, sturdy aluminum posts and steel angle brackets to support the desk top. Can be used in many configurations, as indicated in the diagram on this page. Large side panels assure privacy, and less distraction for the user.

Accessories

AC Power Panel
AC Duplex Convenience Outlet

Configurations

These four basic units (A, B, C, D) can be arranged in any right angle format. Here are some of the many different ways you can arrange carrels.

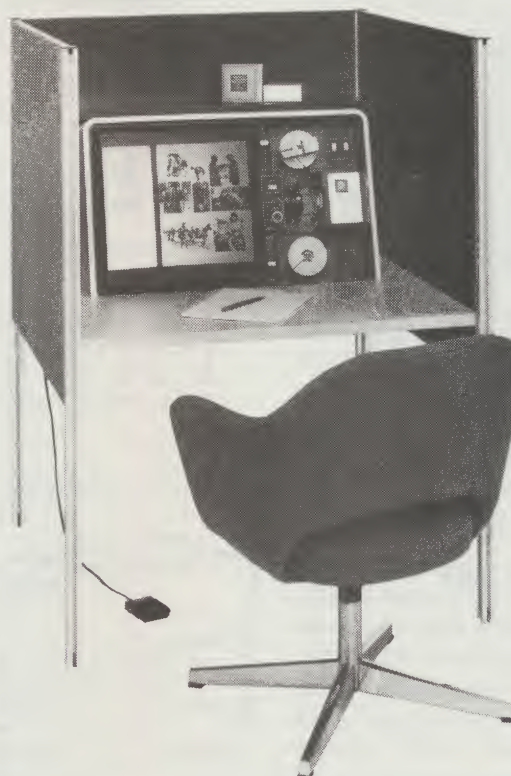


Specifications

Dimensions: 51" high x 36" deep with 36" side panels; also available with 48" wide desk top and back panel; work surface is 27" above floor

Construction:
Posts: 1 1/4" extruded aluminum with Versa-

Lock inserts for quick assembly, rigidity
Panels: Woodgrain pattern melamine surface bonded to flakeboard core
Desk Top: Simulated white leather work surface



Price List

Description	Order Number	Unit Price	Shipping & Handling
Dukane MMR 16 + 35 Reader Carrels *			
Single Face Starters:			
A—36" x 36"	UM4A101	335.00	25.00
A—36" x 48"	UM4A601	375.00	35.00
Single Face Adders:			
B—36" x 36"	UM4A102	250.00	25.00
B—36" x 48"	UM4A602	292.00	35.00
Double Face Starters:			
AC—72" x 36"	UM4A103	592.00	35.00
AC—72" x 48"	UM4A603	660.00	40.00
Double Face Adders:			
BD—72" x 36"	UM4A104	485.00	35.00
BD—72" x 48"	UM4A604	550.00	40.00
Four Station Clusters:			
AADB—36" x 36"	UM4A105	1050.00	50.00
AADB—36" x 48"	UM4A605	1195.00	60.00
* Please include rough layout sketch of multiple carrel configurations.			
Accessories			
AC Power Panel	UM4A501	32.00	N/C
AC Duplex Convenience Outlet	UM4A502	12.00	N/C

Furniture

Command Carrels for Dukane Universal Reader

These Carrels accommodate the Dukane Universal Rollfilm Reader (see section on "Film Readers"). Special brackets position the Universal Reader for easy viewing and access to controls. Command Carrels make the most of the available space, with two half-shelves on either side of the Reader for storage, and 11 inches of work space in front of the control panel. They are ideal for use with the motorized transport and its remote hand control. The angle at which a Carrel positions the Reader aids microfilm viewing for those wearing bifocals.

Command Carrels are solidly made, with scratch-resistant melamine surfaces on rigid flakeboard cores, sturdy aluminum posts and steel angle brackets to support the desk top. Can be used in many configurations, as indicated in the diagram on this page. Large side

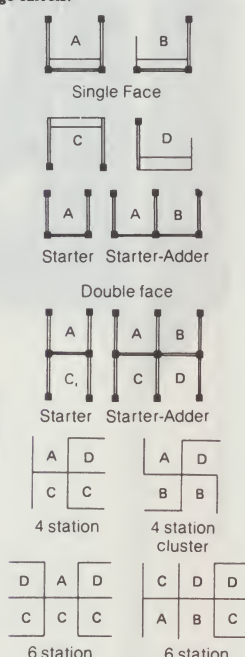
panels assure privacy, and less distraction for the user.

Accessories

AC Power Panel
AC Duplex Convenience Outlet

Configurations

These four basic units (A, B, C, D) can be arranged in any right angle format. Here are some of the many different ways you can arrange carrels.



Specifications

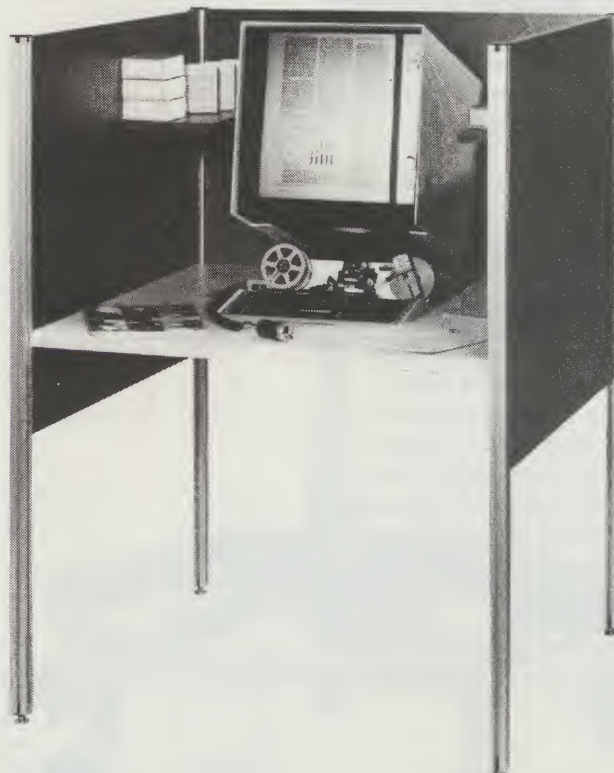
Dimensions: 51" high x 36" wide x 36" deep with 36" side panels; also available with 48" wide desk top and back panel; work surface is 27" above floor

Construction:
Posts: 1 1/4" extruded

aluminum with Versa-Lock inserts for quick assembly, rigidity

Panels: Woodgrain pattern melamine surface bonded to flakeboard core

Desk Top: Simulated white leather work surface



Price List

Description	Order Number	Unit Price	Shipping & Handling
Dukane Universal Reader Carrels *			
Single Face Starters:			
A—36" x 36"	UM4A201	335.00	25.00
A—36" x 48"	UM4A701	375.00	35.00
Single Face Adders:			
B—36" x 36"	UM4A202	250.00	25.00
B—36" x 48"	UM4A702	292.00	35.00
Double Face Starters:			
AC—72" x 36"	UM4A203	592.00	35.00
AC—72" x 48"	UM4A703	660.00	40.00
Double Face Adders:			
BD—72" x 36"	UM4A204	485.00	35.00
BD—72" x 48"	UM4A704	550.00	40.00
Four Station Clusters:			
ADBB—36" x 36"	UM4A205	1050.00	50.00
ADBB—36" x 48"	UM4A705	1195.00	60.00
* Please include rough layout sketch of multiple carrel configurations.			
Accessories			
AC Power Panel	UM4A501	32.00	N/C
AC Duplex Convenience Outlet	UM4A502	12.00	N/C

Prices subject to change without notice.

Furniture

Command Carrels for Reader-Printers

These Carrels are designed to accommodate your Reader-Printer, such as the Consolidated Micrographics Models 5550 or 5800, or the Minolta RP405E (see section on "Reader-Printers"). Heavy-duty hardware and a sturdy formica desk top provide the requisite support. Have cut-outs for power cord. Large desk tops provide ample writing space.

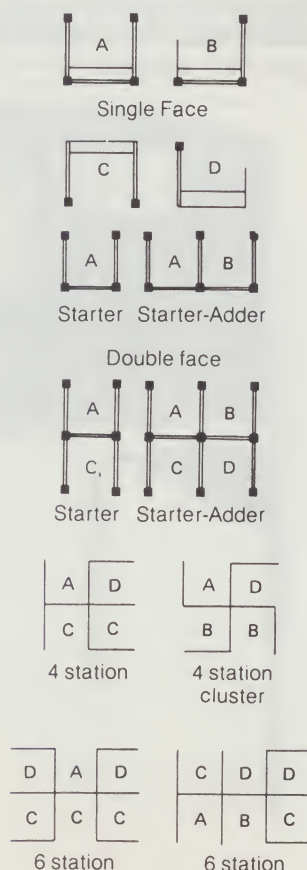
Command Carrels are solidly made, with scratch-resistant melamine surfaces on rigid flakeboard cores, sturdy aluminum posts and steel angle brackets to support the desk top. Can be used in many configurations, as indicated in the diagram on this page. Large side panels assure privacy, and less distraction for the user.

Accessories

AC Power Panel
AC Duplex Convenience Outlet

Configurations

These four basic units (A, B, C, D) can be arranged in any right angle format. Here are some of the many different ways you can arrange carrels.



Specifications

Dimensions: 51" high x 36" wide x 36" deep with 36" side panels; work surface is 27" above floor

Construction:
Posts: 1 1/4" extruded aluminum with Versa-Lock

inserts for quick assembly, rigidity

Panels: Woodgrain pattern melamine surface bonded to flakeboard core

Desk Top: Simulated white leather work surface



Price List

Description	Order Number	Unit Price	Shipping & Handling
Reader-Printer Carrels*			
A—Single Face Starter 36" x 36"	UM4A401	325.00	25.00
B—Single Face Adder 36" x 36"	UM4A402	242.00	25.00
AC—Double Face Starter 72" x 36"	UM4A403	575.00	35.00
BD—Double Face Adder 72" x 36"	UM4A404	475.00	35.00
ADBB—Four Station Cluster 36" x 36"	UM4A405	1020.00	50.00
*Please include rough layout sketch of multiple carrel configurations.			
Accessories			
AC Power Panel	UM4A501	32.00	N/C
AC Duplex Convenience Outlet	UM4A502	12.00	N/C

Furniture

Chair Microdyne 1200 Series

The Microdyne 1200 Series Chair is specifically designed for library use, with tables or with carrels. Adjustments, that can be made while seated in the chair, include chair height (from 17 to 22 inches) and backrest angle; both adjustments are made with the same convenient lever. Swivel seat and tubular foot-ring for greater comfort. Casters for easy gliding to table or carrel.

Features

Quick, simple adjustments make this chair ideal for accommodating many users. Seat and backrest covered with fire-retardant flat-weave nylon. Comes in four attractive colors—brown, blue, rust, and willow.



Price List

Description	Order Number	Unit Price	Shipping & Handling
Microdyne Chair Micro-matic Adjustable Chair	UM4B101	284.00	25.00
Specify Color: Brown #4032; Blue #4029; Rust #4023; Willow #4035 Specify carpet or hard floor casters.			

Prices subject to change without notice.

Microform Accessories

Film Splicer Hudson Photographic Quick-Splice Model 252 for 16mm and 35mm Microfilm

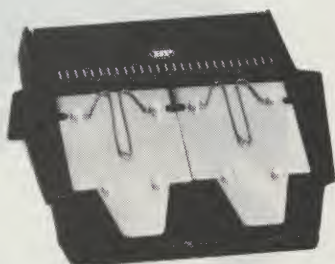
This easy-to-use Microfilm Splicer has a die-cast aluminum base and stainless steel cutting blades. Film ends are placed on the cutting blades under hold-down clips. Blades

swing down to provide accurate, clean cutting action. Film is held automatically in butt position so that Quick-Splice tape can be applied.

Splicing Tapes for 16mm and 35mm Microfilm

Quick-Splice tapes are made of mylar, backed with special pressure-sensitive adhesive that will not grow brittle with age.

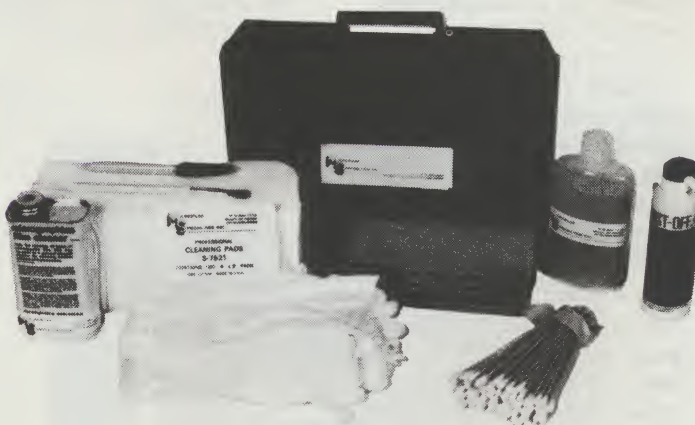
Mylar is optically clear and permits microfilm to be viewed or printed where the splice is placed. To be used with Quick-Splice Microfilm Splicer.



Micrographics Care Kit

A handy kit containing all the cleaning materials needed to keep Readers and film in good condition. Includes a can of compressed air, two types of solvent, heavy duty glass

and soft lens wipers, film cleaner, cleaning rods, camel's hair brush, marking pen to cover scratches on microfilm, cotton swabs, and cotton gloves.



Microfilm Boxes

Keep microfilm protected from dirt and dust. Attractive blue and white design. Available for both 16mm and 35mm reels.



Turntable

Sturdy fiberboard surface on lazy-suzan base. Designed to hold readers as well as Reader Printers. Attractive woodgrain finish. Measures 18" W x 24" D x 1" H. Weight: 22 lbs.



Price List

Description	Order Number	Unit Price	Shipping & Handling
Quick-Splice Model 252 Automatic Butt Splicer for Both 16mm and 35mm Microfilm	UM6A601	50.00	5.00
Splicing Tapes			
T16MF (for 16mm Microfilm) Bulk Perforated Tape Rolls (3200 Splices)	UM6A602	90.00	5.00
T16MF DP (for 16mm Microfilm) Perforated Tape Dispenser Pack (200 Splices)	UM6A603	13.00	N/C
T35MF (for 35mm Microfilm) Bulk Perforated Tape Rolls (1600 Splices)	UM6A604	90.00	5.00
T35MF DP (for 35mm Microfilm) Perforated Tape Dispenser Pack (100 Splices)	UM6A605	13.00	N/C
Micrographics Care Kit	UM6A101	62.00	5.00
UMI Supply Boxes, Each (Specify 16mm or 35mm)	UM6A802	.10	N/C
Turntable	UM6A803	85.00	5.00

Microform Accessories

Modular Microfiles

The Microfile neatly provides open access to microfilm. The versatile unit can be interfiled with books on standard shelves, used as a firm stand-alone unit or attached to a wall. The modular boxes are sold separately; they interlock to make any configuration desired. Available for

16mm or 35mm microfilm in blue, white, brown, and pumpkin colors. Each unit measures 4¾" high x 4½" wide x 3¾" deep. Send for free brochure illustrating various configurations, colors. For large orders, Microfiles are sold in case lots of 48.

Film Rewinder Neumade RW-1-MF

Special square-round shafts take either 16mm or 35mm spools. Made of grey iron castings. Features full-grip wooden handles. Two geared ends.

Quick-Thread Take-Up Reel

Makes Microfilm Readers easier to thread. Can be attached permanently to spindle to prevent film from being removed on the take-up reel; results in microfilm being properly rewound on supply reel for storage. Fits both 16mm and 35mm spindle driven Readers and Reader-Printers. Quick threading is easy even with only one hand. Light blue color.

Supply Reels

Use 16mm or 35mm supply reels for extra film when splicing or to replace old reels.



Price List

Description	Order Number	Unit Price	Shipping & Handling
Modular Microfiles*			
1-192 Units, Each	UM6A401	2.25	N/C
194-304 Units, Each	UM6A402	2.10	N/C
305-576 Units, Each	UM6A403	1.90	N/C
577-1440 Units, Each	UM6A404	1.75	N/C
* Please order large quantities in case lots of 48. Specify color and whether for use with 16mm or 35mm film.			
Neumade RW-1-MF Film Rewinder Set for Both 16mm and 35mm Microfilm	UM6A501	198.00	15.00
Quick-Thread Take-Up Reels			
1-3 Units, Each	UM6A301	5.95	N/C
4 or More Units, Each	UM6A302	4.95	N/C
UMI Supply Reels, Each (Specify 16mm or 35mm)	UM6A801	.20	N/C

1

1

7

7

To order list the desired equipment, including the quantity and catalog number, lens magnification, and color (if applicable). Total your order including shipping and handling charges, and indicate the appropriate shipping instructions.

[illegible]

Purchase Order Number _____

Equipment Order Department
300 N. Zeeb Road
Ann Arbor, Michigan 48106

Toll-free (except in Alaska, Hawaii & Michigan) 1-800-521-3044
or 1-800-521-0600.
In Canada call toll-free 1-800-268-6090.



SEVEN GOOD REASONS

Why you should use UMI's Serials Subscription Service

- 1** The service ensures automatic delivery of the latest complete year for all the serials you need.
- 2** Only one invoice is involved so administration work is cut and possibilities of error are reduced.
- 3** Prices are guaranteed — by ordering all your serials at once on the same order you are protected against any later rises.
- 4** New titles can be added or current titles cancelled at any time — UMI will issue a credit or debit note.
- 5** You receive a Quarterly Status Report so you know the exact status of all serials subscribed.
- 6** Your subscription order and its annual renewal can be placed at any time of the year, to suit your budget.
- 7** There is no additional charge for this service.



To Order or Receive Quotations 1-800-521-3044
Information and Customer Service 1-800-521-0600

UNIVERSITY MICROFILMS INTERNATIONAL

Joseph J. Fitzsimmons

President

This is the fourth edition of the booklet *Fiche and Reel* published by University Microfilms International (UMI). It is gratifying to learn of its use in library schools, and training programs. We sincerely hope this edition will continue to enjoy the wide readership its predecessors have experienced.

Many of our associates at University Microfilms International have been kind enough to read and criticize this text, and it is much the better for it. Among those who have been especially helpful are Robert Mottice and Paul Kennedy.

E.S.R.
H.D.

Copyright ©1980 by Xerox Corporation
All rights reserved under International and
Pan-American Copyright Conventions
Manufactured in the United States of America

Fiche and Reel

a guide to microfilm and its use

E. Stevens Rice
Heinz Dettling

University Microfilms International

Revised 1980 (Fourth Edition)

University Microfilms International
300 North Zeeb Road
Ann Arbor, Michigan U.S.A.
Telephone: (313) 761-4700

University Microfilms International (EH).
P.O. Box 91, London WC1R 4EG, England

Machine Retrievable

Capable of being located and displayed by electromechanical equipment.

Microfiche

A sheet of high resolution film containing multiple microimages in a grid pattern.

Microfilm

A high resolution film with greatly reduced images on it.

Microform

A generic term for any film or paper which contains microimages.

Microimage

A greatly reduced image, too small to be read without magnification.

Microphotography

The photographic process of reducing printed matter to small sizes which cannot be read without magnification.

Neutral Screen

A viewer screen with no color tint, recommended for color microfilm because it more accurately displays the image colors.

Opaque Screen

A reader screen of opaque material onto which an image is projected. (Also called front projection screen.)

Original

The material, printed matter such as books, drawings, maps, etc. which is microfilmed.

Photographic Paper

Paper with a photosensitive layer onto which images are recorded.

Photosensitive

Sensitive to light.

Reader

A device which enlarges a microimage for viewing.

Reader-printer

A reader which will also produce a print on paper.

Reduction Factor

The multiple by which an object is reduced in its linear dimensions when photographed. Expressed as 17X, 20X, 24X, etc.

Reduction Ratio

The ratio of the linear measurement of a document to the linear measurement of the image of the same document. Expressed as 17:1, 20:1, 24:1, etc.

Resolution

A measure of sharpness of a microimage, usually expressed in lines per millimeter.

Retrieval

The locating of specific data within a larger collection of information.

Roll Microfilm

A length of microfilm on a reel.

SDI

Selective Dissemination of Information. A system for collecting and disseminating information on a single subject from different sources.

Signature

A group of pages printed together on a single sheet and folded to form a section of a book.

Silver Film

A type of film which is used for producing camera negatives or microform copies. The image is composed of silver grains and is produced by exposure to light and developed by liquid chemicals.

Silver Halides

The light sensitive compounds in the emulsion of silver film.

Target

A note on the microform which provides information about the documents photographed; e.g. author, title, list of contents, reduction ratio, dates, deficiencies, etc.

Test Frame

A microimage of a technical test target used to monitor microfilm quality.

Thiosulfate (Hypo)

The chemical which dissolves the unexposed silver halides and allows them to be washed from the film making the image permanent.

Threading

Loading rollfilm through certain parts of the reader and onto a take-up reel, for viewing the film.

Translucent Screen

A sheet of treated glass or plastic used to form an image in microform readers. The microfilm image is projected onto the back of the screen and viewed from the front.

Vesicular Film

A duplicating film used for making microform copies. The image is composed of microscopically small bubbles and is produced by exposure to ultra-violet light and developed by heat. Vesicular films give a positive image from a negative master and vice versa.

Microfilm Readers

Dukane MMR 16 + 35

The Dukane MMR 16+ 35 is a Reader for both 16mm and 35mm rollfilm, with adapters for Type M and Type K cartridges, featuring easy threading, adjustable magnification, and flexible control modes.

Controls

Centralized controls are clearly labeled. The film transport operates from a single control—forward, reverse, low, medium or high speed. Fingertip scan control offers quick horizontal and vertical film positioning.

Optics

Five lenses, offering a choice of magnification from 18x to 42x, snap quickly into position. The screen angle is adjustable for comfortable viewing. Light intensity is adjustable to provide the most desirable level for the user. The image can be rotated through a full 360 degrees.

Warranty

One year limited manufacturer's warranty on parts and labor, excluding lamps, glass, and transportation charges by dealer.

The Reader comes equipped with a quick-thread take-up reel and operator service manual. Accessories available include a lens lock kit, adapters for K and M type cartridges, remote foot and hand switches, and dust cover.

Specifications

Color: Charcoal gray and white

Screen Size: 14" x 14"; non-glare

Magnification: 18x, 24x, 32x, 37x, 42x

Image Rotation: 360 degrees, optical

Construction: High-impact resistant plastic with metal frame

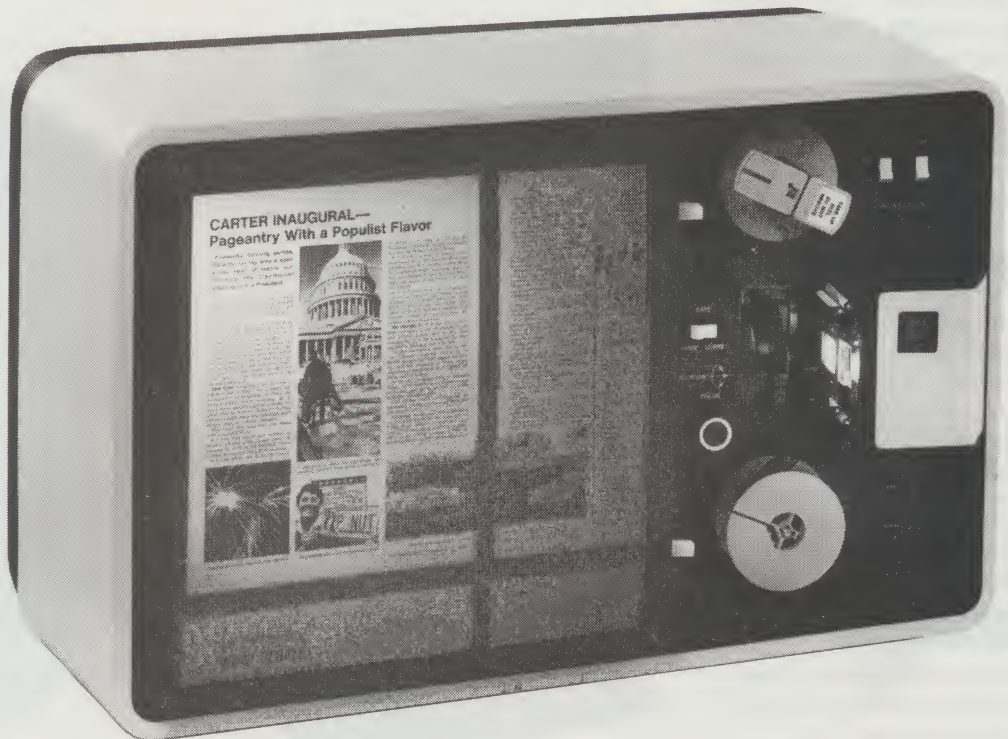
Lamp: 1000 hr. quartz-halogen (low intensity) EVA

Dimensions: 18½" high x 29" wide x 14½" deep

Weight: 65 lbs.

Film Transport: Motorized Cooling: Fan

Power: 120V AC, 50/60 Hz; UL & CSA approved



Price List

Description	Order Number	Unit Price	Shipping & Handling
Dukane MMR 16 + 35 Motorized Microfilm Reader With One Lens (Specify Lens Size)	UM1A101	\$1,050.00	\$30.00
Accessories:			
18x Lens (for 35mm film)	UM1A102	75.00	N/C
24x Lens (for 16mm film)	UM1A103	75.00	N/C
Extra Lenses: 32x, 37x, 42x	UM1A104	102.00	N/C
Remote Foot Switch	UM1A105	25.00	N/C
Remote Hand Switch	UM1A106	20.00	N/C
Dust Cover	UM1A107	10.00	N/C
Kit for Type M Cartridge	UM1A108	60.00	N/C
Kit for Type K Cartridge	UM1A109	60.00	N/C
EVA Replacement Lamp	UM1A110	10.00	N/C
Lens Lock Kit	UM1A111	15.00	N/C
MMR 16 + 35 Reader Carrell (starter 36" x 36") (See Section on Carrels under FURNITURE, this catalog.)	UM4A101	335.00	25.00

Prices subject to change without notice.

Microfilm Readers

Dukane Universal

The Dukane Universal Rollfilm Reader is a reliable, low-cost unit offering simple operation. The film transports, either manual or motorized, accommodate both 16mm and 35mm film reels. A Microfiche adapter is also available.

Controls

Front loading controls are easy to reach. The motorized transport incorporates a convenient remote control which governs forward, reverse, and variable speeds. Film loading, threading, and operation are graphically illustrated on the front of the Reader.

Optics

One lens (18x for 35mm, 24x for 16mm) is included with the Reader. The other lens can be purchased separately. The high-contrast image and non-glare screen allow use of the Reader in normally lighted study areas. 90° image rotation is provided.

Other Features

Quick thread take-up reel, operator/service manual, and dust cover. Accessories available include

the motorized transport (for the manual Reader) or the manual transport (for the motorized Reader) and a microfiche adapter.

Warranty

One year limited manufacturer's warranty on parts and labor, excluding lamps, glass, and transportation charges by service dealer.

Specifications

Color: Off white with black base

Screen Size: 14" x 14"; non-glare

Magnification: 18x (35mm microfilm), 24x (16mm microfilm, microfiche)

Image Rotation: 90 degrees, mechanical

Construction: Durable metal frame

Cooling: Fan

Lamp: 1000 hr. quartz-halogen (low-intensity) EVA

Dimensions: 24 $\frac{1}{16}$ " high x 15 $\frac{1}{2}$ " wide x 18 $\frac{1}{2}$ " deep

Weight: 60 lbs. (manual), 65 lbs. (motorized)

Film Transport: Manual or motorized (fiche adapter available)

Power: 110-125V AC, 50-60 Hz; UL & CSA approved



Price List

Description	Order Number	Unit Price	Shipping & Handling
Dukane Universal Manual Microfilm Reader With One Lens (Specify Lens Size)	UM1A201	640.00	30.00
Dukane Universal Motorized Microfilm Reader With One Lens (Specify Lens Size)	UM1A202	960.00	30.00
Accessories:			
18x Lens (for 35mm film)	UM1A203	117.00	N/C
24x Lens (for 16mm film)	UM1A204	117.00	N/C
Manual Film Transport	UM1A205	132.00	7.00
Motorized Film Transport	UM1A206	450.00	10.00
Microfiche Adapter	UM1A207	110.00	7.00
Additional Dust Cover	UM1A208	12.00	N/C
EVA Replacement Lamp	UM1A209	10.00	N/C
350 Reader Carrel (starter 36" x 36") (See Section on Carrels under FURNITURE, this catalog)	UM4A201	335.00	25.00

Microfilm Readers

NMI 2020

The NMI (Northwest Microfilm) 2020 Front Projection Rollfilm Reader, mounted in its own freestanding cabinet, allows viewing of 16mm and 35mm roll microfilm images on a convenient slanted tabletop screen. The NMI 2020 features simple manual operation, suitable even for inexperienced viewers.

Controls

Scan lever and focus controls are conveniently located to the seated operator. Easy to load and unload.

Optics

Available with fixed 19x (35mm) lens or with zoom lens from 12x to 26x. Full 360° image rotation is provided.

Warranty

One year on all parts except screen, lamps, and glass. Ninety days on manufacturer supplied labor.

Specifications

Color: Cream and Brown

Screen Size: 24" x 24" slanted 15° for easy viewing

Magnification: Fully automatic 35mm wide-angle lens for 19x blow-back; optional zoom lens from 12x to 26x

Image Rotation: 360 degrees

Construction: High-pressure laminate, aluminum and plastic

Lamp: 2000 hr. 90W quartz-halogen DED

Dimensions: 23 $\frac{1}{8}$ " deep x 25 $\frac{1}{2}$ " wide x 39" high

Weight: 116 lbs.

Film Transport: Manual film drive

Power: 120V AC, 60 Hz; UL & CSA approved



Price List

Description	Order Number	Unit Price	Shipping & Handling
NMI 2020 Manual Microfilm Reader			
With 35mm Lens	UM1A501	1,089.00	35.00
With 35mm Lens, Automatic Opening Glass Flats	UM1A502	1,215.00	35.00
With Zoom Lens (Magnification from 12x to 26x)	UM1A503	1,225.00	35.00
With Zoom Lens, Automatic Opening Glass Flats	UM1A504	1,350.00	35.00
Accessories:			
Dust Cover	UM1A505	11.25	N/C
DED Replacement Lamp	UM1A506	13.00	N/C

Prices subject to change without notice.